

6. (New) The device of claim 5, wherein the adjustment unit comprises:

a lightness computing unit configured to compute lightness of the image data;

a color saturation computing unit configured to compute color saturation of the image data;

a mean value computing unit configured to compute mean values of the lightness computed by the lightness computing unit based on the colour saturation computed by the color saturation unit; and

a converting unit configured to convert the brightness of the image data based on the mean values computed by the mean value computing unit.

7. (New) The device of claim 6, wherein:

the lightness computing unit is configured to compute the lightness of the image data on individual pixel basis;

the color saturation computing unit is configured to compute color saturations of the individual pixels; and

a converting unit configured to convert the brightness of the image data on individual pixel basis.

8. (New) The device of claim 6, wherein the converting is configured to achieve a predetermined brightness reflectance value.

9. (New) The device of claim 8, wherein the predetermined brightness reflectance value is substantially 18%.

10. (New) The device of claim 6, wherein the lightness computing unit is configured to determine lightness on the basis of at least one of mean values of individual color components, maximum values of individual color components, and brilliance of individual color components.

11. (New) The device of claim 6, wherein the color saturation computing unit is configured to determine color saturation on the basis of at least one of ratios between maximum individual color components and minimum individual color components and the differences between maximum individual color components and the minimum individual color components.

12. (New) The device of claim 6, wherein the mean values computing unit is configured to determine mean values on the basis of at least one of whole image, a center portion of the image, and one or more specific regions of the image.

13. (New) A method for adjusting brightness of an image, comprising:
acquiring image data of the image; and
adjusting a brightness of the image based on a color saturation of the
image data.

14. (New) The method of claim 13, wherein the adjusting step
comprises:

computing lightness of the image data;
computing color saturation of the image data;
computing mean values of the lightness of the image data; and
converting the brightness of the image data based on the mean values of
the lightness of the image data.

15. (New) The method of claim 14, wherein:
the computing lightness step comprises computing the lightness of the
image data on individual pixel basis;

the computing color saturation step comprises computing color
saturation of the individual pixels; and

the converting step comprises converting the brightness of the image
data on individual pixel basis.

16. (New) The method of claim 14, wherein the converting step comprises converting to achieve a predetermined brightness reflectance value.

17. (New) The method of claim 16, wherein the predetermined brightness reflectance value is substantially 18%.

18. (New) The method of claim 14, wherein the computing the lightness step comprises at least one of:

determining mean values of individual color components;

determining maximum values of individual color components; and

determining brilliance of individual color components.

19. (New) The method of claim 14, wherein the computing color saturation step comprises at least one of:

determining ratios between maximum individual color components and minimum individual color components; and

determining the differences between maximum individual color components and the minimum individual color components.

20. (New) The method of claim 14, wherein the computing the mean values step comprises at least one of:

determining mean values on an entirety of the image;

determining mean values on a center portion of the image; and

determining mean values on one or more specific regions of the image.

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